

Figure 1

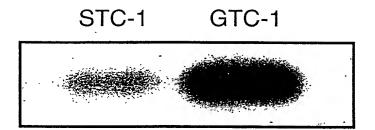


Figure 2

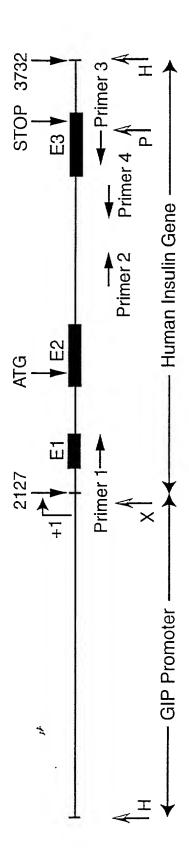
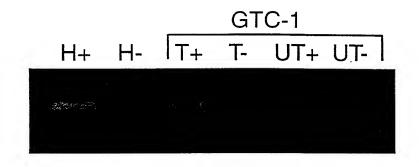


Figure 3



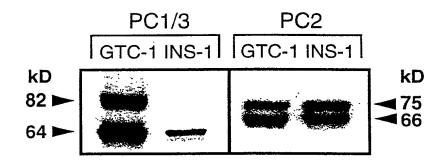


Figure 4

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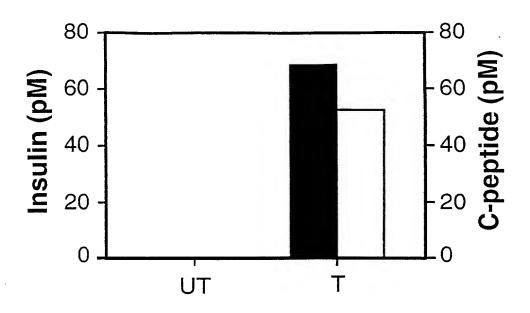


Figure 5

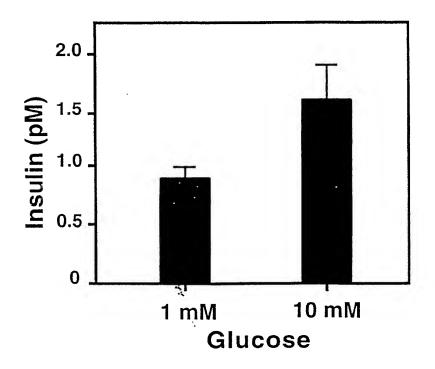


Figure 6

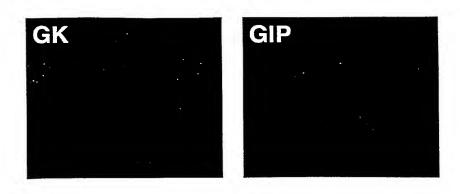


Figure 7

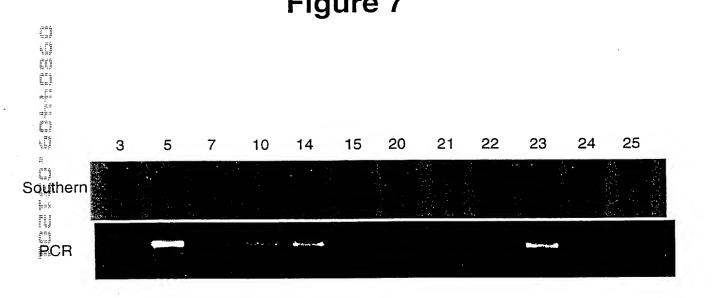


Figure 8

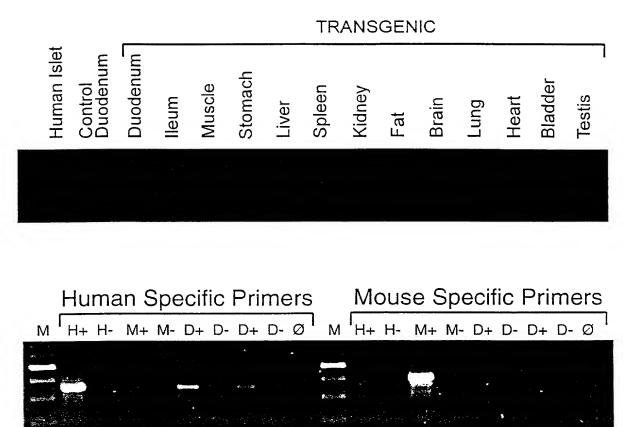


Figure 9

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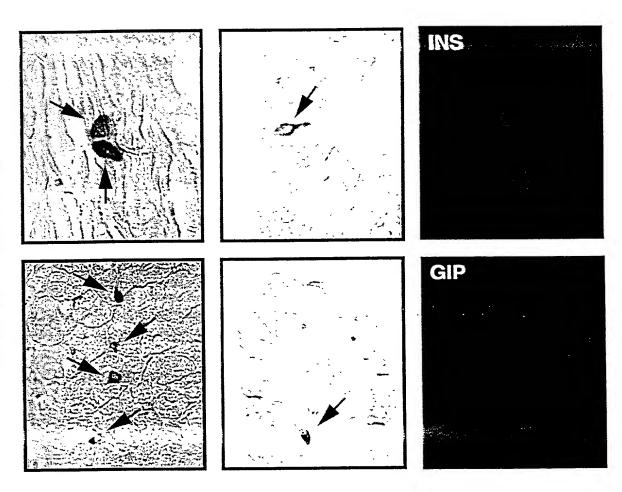


Figure 10

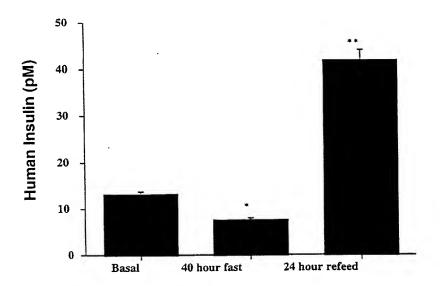


Figure 11A

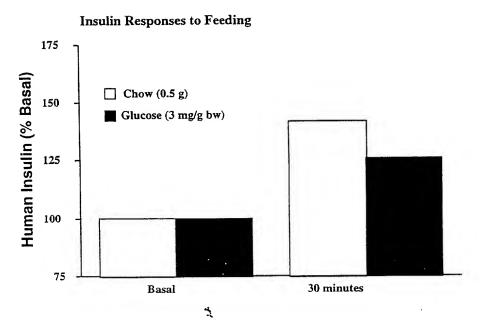


Figure 11B

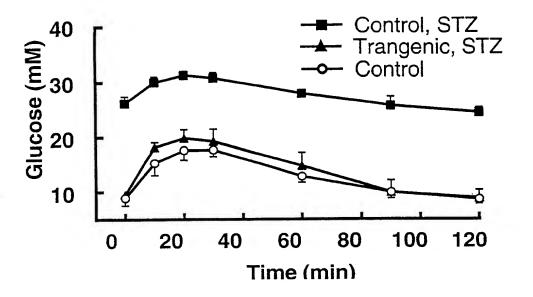


Figure 12

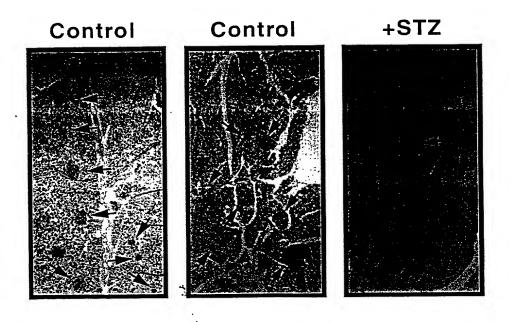


Figure 13

## GIP Promoter

atetetecag tecetteete aacettetga gaacaggeaa aetecaceat gattggetta taaatcgtta tatggaccta ctaaggatgt aacaactggg agcatgctta cctagcatgt ccgaaacccg gagttcagtc cctagcactg cacaatctca gtccttatga agtagaggga agatcagagg ttcaaggaca acatcaattt gagaccagcc tgggctactt accaaagaaa ggctggagag ttggttcagt gtttaagagc acttattgtg gggttgggga tttagctcag tggtagageg tttgeetagg aageteaagg eeetgggtte ggteeceage teeggaaaca taaagatata tatatataat atatatacat ataatatata tatgatatat atatatatat atatctttgt ggaggaaget atacetttet ttettgagee teeaacacat aaatgtgeee tgteateeca ttcatattgc cccaagtggg aaaccatgtg actataaact ctaagttcct agtcactagg aacteteaag acacetacet eaggeageat eaetteegga gtgeeaceat tateagttaa catecacate tgggatteag ateceagate cettetgtte ceteagaagt cacetacage tttgtggggg tgccccttcc ctcagagagt gccacccgag ttgaccctca ccaaggcaac cctttgtacc cacagaatcc aacaggaagt agggggaaga acagccggcc ctgtgcccag aaaaaaagag gggagggaga agggggtgct cagcctacca ccgggcaggt cccagataac actgcagata cccaaatgtt aatcacccat tagcacaggc ccagagcaaa ggggaaagtg attaggtgta taatggggtt cactgggcag gaccagtggg cttgagcttc aaagataaga ggttttcagg ttaatcagca ccctgtggtg tgtggatata aggaagctaa cacagggtct tgaagcaaga tcctgag

Mouse chromogranin A (Chga) gene, promoter region. ACCESSION L31361

- 1 ccgaaattac ccactacgtt ggaattctat aagggttggg tttgctgttt tgtttacagc
- 61 tgcgtctttg gcacccagca cagctgagtg gttctaagcc cacgtcgatg cttaacacat
- 121 ggttgttgaa tgaatacacg cgaagccggt teteatttag gggcatgagt aggcagaggt
- 181 gtgggcagga agcaggaaag agcggaaaca ggtgcggaca gaaaggaggg gctctgaagg
- 241 atgccagtca gtgccaaact gtcatccaga taccaggttc actgtggccc taggccaggc
- 301 tgcacggggc ttcccatgtg gtctgcccag ggtgagagca gaactgcggt gggcggggca
- 361 gaaggaaacc aaccaggaag cagggttgca cccaaattat ccaggtttta agtacattta
- 421 agagacaagg ctgggctgtt gaaggtcaga ggtgtccctg gggtgctgga ctaggactga
- 481 ccacttctgt tttagtttaa tggtgagaac tgcctcacac tgctacctgc cttacttgcc
- 541 ccttgagage tgtgagecta ggacccacce atgtgtgggt tggaccttca gtcacacact
- 601 gaacgtgtgt gaagccactg gttgtcagag cagggctctc ggcactgagg aagcagtgac
- 661 cactatecce tateaaataa caattaaata cacacagaat gegaggeaca caactgagtt
- 721 teaggagagg cetegeteag geaaggggtt eaagaggett etgtgggace egetggatgt
- 781 tccagggagt tcttaaagat gggcgtgcct ccagccaagt gaaatcaaga gaaaagtacg
- 841 cgaagtatag gaaaactcag cagtctggag aggtaaatag gggaggaatc cgaggctcag
- 901 agacaggagt gacttgccca cggacgcaca gcaagttggc aggtggagtt cagctgtgcc
- 961 accttctgaa gccgggtacc ctttacagcc accagataca agcgggatag agacagctga
- 1021 tggagaaget ggaggtgggg ggegggacee cgaaggtggg gaaagggege gggggggegg
- 1081 tectatgacg taattteetg ggtgtgtgeg egegtgtgeg tgegtgtgeg tgtatataaa
- 1141 ageeggeata geattgetge tgetgeegee geeaeegeea eeateaeege tgttaceaee
- 1201 acceptacte cagtettece getegtecag agetttegta gecagactae agacecacte
- 1261 cegecatect ectgeageag etegteeact ettteegeae egteeggete getatgege

Figure 14

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Mus musculus secretogranin II (Scg2) gene, promoter and exon 1, complete sequence. ACCESSION AF037451

1 gggaactttc tctagctctt tcattagggg ccctgtgttc catctaatag ctgactgtga 61 gcatccactt ctgtgcttgc caggcactgg catagcctca caagagacag ctatatcagg 121 gtettgteag caaaatettt etggeatatg caatagtgte tgggtttggt ggttgtatat 181 gggctggate eeegggtggg geagtetetg gatggtettt eetteegtet tageteeaaa 241 ctttgtetet gtaacteett eeatgggtae tttgttteee attetaagaa ggageaaagt 301 atccacactt cettettett cettettett gagttttgca aatgccacaa aactttcaaa 361 geettetgaa tageettete tttagtgett teeaatgtat attaaaataa tetatettte 421 atccccattg attaaagcct tcttaaagcc agaaaactat attcattttt ttcttttccc 481 agtagtteae aaactatetg geaeeteata ageateataa eteagttggt gggtagataa 541 aattggaatg tgattgttca gtcagcagag acttttagag gacctcatac aacaagattc 601 teteagttet cagaaatata ttteagtata tacagggtta gaggacteae atetttaata 661 aaataaagtt aaaaatttag acctgtataa attattaagg tacctaatca agttccacgg 721 caaagtacag ccatggttat gaattataaa tccaagaagc ggtgggttaa ctctgacatt 781 gtteettgga tggtteteat teattgaagt tagteacete aacttaetea accaaaacet 841 agaagtattt ctgtggtact atgttctctt gatgccaaga gggctctagg catatgaaaa 901 teteteaate teteteeete teteteeece tteeaecece aetetetete ttetageagt 961 aatccctccc ttcctggtag gcagtatgtt ttttggagca cagtttetta gctatctctt 1021 gcaacacctg attttgctga agatttgaat ggcctcatat agaagtatca acaacttgag 1081 egtetgtgaa eteteattit gacactgtge tgaaagaatt ggagttgatt eteattaaaa 1141 aaaaaattaa geateteaee ttttttgete aaactaaaca gttttaaaae agttetgeet 1201 ggagtcatga tatgaaatac gatctatcat atttgcaatg ttctgttcaa ttgtggctgc 1261 accaggaaat gagaagetat ttetttatag geacaaataa aaagatagte attatetgta 1321 aaattettat gacatggcag caageecaag aaacetttet aaacaaggeg tgaaaaegea 1381 gagatgteet tgeaattagt catgtetate tgacagattt etteetttet aagggaattt 1441 gtgctgaaca ttttatttcg agcctcagag ataaaagaag ggggaagaag ctgtagtttt 1501 tgctacataa gacaggtggc gtaagcatgc aacgctttaa aaaaatatct aaagtgattg 1561 ttttctctcg gattctttga aaaagctcgc ctgcgctggg gtttgaggct gagccggtga 1621 cgtcagcgtg gaatgcggag tcaggcgccc aggctctcta taagccgagg agctgtccgg 1681 tgctgaaacg gcccgagccc tcactcagcg gcagagagga gcatgcttgg agccttccac 1741 ataatataag acagaggtaa

Mus musculus glucokinase gene, 5' flanking region. ACCESSION U93275

- l agctttaggt gtgtgaatat ctactttggt gctagggcct tggtcatact aagtaagttt
- 61 ccccttcact ggggtgtacc agtttaccct ggactgtcta agcaacaaga aggatagaca
- 121 tggcctacca cagatttcat gtctgccact ggctatgtca gaacatgtag gagcttttgg
- 181 aatcagtgaa acaggtattt teagaetgee tteeetgegt ggggetttee egaageeata
- 241 tttttectag agteageett teccagetga ggacaagetg tactggacag atgecageca
- 301 cttgaactgg gaatacatgg tcatttaggc agctggctta tctcatccat ggtacttgat
- 361 ggcttegggt eageaectea eagaaagtte agaegggagg etteegagaa aacagagaag
- 421 caggcaggag atcctgcagg caatcctcct getecacage etgcatggae tteceteage
- 481 cttagtgcgt gtgggtccca tctgagaaca ttggttatat gttattttca aaccgatctg
- 541 cctttaagga gtggaagaaa aaaactgtgg tgtttgggct acctttatga taatggcctt
- 601 ttcatcctcc taataaatat tgccaagtag ggtagattct atacgaaagc tcttaaccca
- 661 tggtattagc aaatcatgta ggtgctaata atgaatactg gatgcagtca gtacagggat

- 721 ataaaatgga atgtaagagc ctgttgctat gaatggttag ctaactagat gttgtacaag
- 781 aaatgttgac gttatgacgt gtggaaactt ggtattgaag atgtggactc gaaactttgt
- 841 ggattttttg atgccatgat aaaaatgtga agaatactgt teettaccaa aaagaagaag

- 1021 gaggactagg aggaggagga gaagaaggag aaggggaagg agagagtagc cagaacattt
- 1081 ggggtgccat cagaatacca gatactccag acatagtcac agaaggactg gtttgtttgt
- 1141 taaataggtg ctttgaaaag tttgtgggga aacctgcagt gagattgtgt gtcttagaaa
- 1201 tgataggcaa gattcatcca caagaatgcg acaagatggc tgcctgaaca agccctgaac
- 1261 attaacagca ccagtagacc tgcttacacg gaagaaagca atctcatagg ccctcacccc
- 1321 aaacaaagac tacagacagc agaggaactg gagagcagga gaaattgggt ctccctttta
- 1381 tgagccccct aactggttgt caaatactca atggtcagcc ctgaaatcat atgcacaaag
- 1441 taatactage geaactgaac agattgtage tgtgtgtgtg tgtgtaatga taacaaagaa
- 1501 gaaaaggccc catgttagag agggagcaag gtgggcatgg aggtatggaa ggagttggaa
- 1561 ggaggggtga gaaggggaaa gtgatgtaat tatcttttaa tttataaaaa aataaaaaat
- 1621 gggctggtga gatggctcag tgggtaagag cacccgactg cttcttccga aggtctggag
- 1681 ttcaaatccc agcaaccaca tggtggctca caaccatccg taacgagatc tggcgccctc
- 1741 ttctggagtg tctgaagaca gctacagtgt acttacatat aataaataaa taaatctttt
- 1801 aaaaaaaata aaaaataaaa tattagaata aaatgtagag gaatattttt aatttaacaa
- 1861 ettgggtgtg geaaaagett tetteaacaa aaaettaate eeteagataa gaaaagaeta
- 1921 gaatccacga cgtggataga tacttctgta tgatgcaaga cactatttat caggttgtaa
- 1981 cttgagcaga acttgagttg taacttgttg ggaaacacaa cacccttggc aaacaaaaga
- 2041 ttactagata ttttagatga aatataaaaa tactttccac aactgatagg taggaaacag
- 2101 ttcaatagta atataattat tgaacaaata atccttaaaa gaagaaatcc agaggaatag
- 2221 agatgatata ettaaatgaa eatgeeatta aaacceatta ttttgeatae agtttacata
- 2281 tgctaatgaa tacttaaaaa aaaaacattg ggattggaga gaaatggctc agtggttaag
- 2341 agttcaattc ccagcaacca catgattgct cacaaccatc tgtaatggga tctgatgcct
- 2401 tettetggta tgtetgaaga aagtgaeegt gtaettataa ttataaataa ataaatettt
- 2461 aaccaaaaaa cccccataat ttcaacaaca gatatgtcct ggtctgaggc ttccaggcat
- 2521 agaaatagaa acacacagag tgtggagcca gtgcggttca ggtccgccat tccagttcag
- 2581 getteagace aagagaaagg gaaaagaaga gacaagcaac aag

H.sapiens adenosine deaminase (ADA) gene 5' flanking region and exon 1 (and joined CDS). ACCESSION X02189

- 61 cccgggaacg gcggcgggcg gggcgggagg cggggcccgg cccgttaaga agagcgtggc
- 121 eggeegegge eacegetgge eccagggaaa geegagegge eacegageeg geagagaeee
- 181 accgagegge ggeggaggga gegaegeegg ggegeaegag ggeaec

Homo sapiens mRNA for pre-proinsulin. ACCESSION X70508

MALWMRLLPLLALLALWGPDPAAAFVNQHLCGSHLVEALYLVCGERGFFYTPKTRREA EDLQVGQVELGGGPGAGSLQPLALEGSLQKRGIVEQCCTSICSLYQLENYCN"

1 getgeateag aagaggeeat caageacate actgteette tgecatggee etgtggatge

- 61 geeteetgee eetgetggeg etgetggeee tetggggaee tgaeceagee geageetttg
- 121 tgaaccaaca cetgtgegge teacacetgg tggaagetet etacetagtg tgeggggaac
- 181 gaggettett etacacacce aagaceegee gggaggeaga ggacetgeag gtggggeagg
- 241 tggagetggg egggggeeet ggtgeaggea geetgeagee ettggeeetg gaggggteee
- 301 tgcagaageg tggcattgtg gaacaatget gtaccageat etgeteeete taccagetgg
- 361 agaactactg caactagacg cagecegeag geageceece accegeegee teetgeaceg
- 421 agagagatgg aataaagccc ttgaaccagc

Homo sapiens leptin (LEP), mRNA. ACCESSION XM\_004625

"MHWGTLCGFLWLWPYLFYVQAVPIQKVQDDTKTLIKTIVTRINDISHTQSVSSKQKVTG LDFIPGLHPILTLSKMDQTLAVYQQILTSMPSRNVIQISNDLENLRDLLHVLAFSKSCHLP WASGLETLDSLGGVLEASGYSTEVVALSRLQGSLQDMLWQLDLSPGC"

1 tetgttttea ggeccaagaa geccateetg ggaaggaaaa tgeattgggg aaccetgtge

- 61 ggattettgt ggetttggee etatetttte tatgteeaag etgtgeecat eeaaaaagte
- 121 caagatgaca ccaaaaccct catcaagaca attgtcacca ggatcaatga catttcacac
- 181 acgcagteag tetecteeaa acagaaagte aceggtttgg actteattee tgggeteeae
- 241 cccatcetga cettatecaa gatggaceag acaetggeag tetaceaaca gateeteace
- 301 agtatgcctt ccagaaacgt gatccaaata tccaacgacc tggagaacct ccgggatctt
- 361 etteacgtge tggeettete taagagetge eacttgeeet gggeeagtgg eetggagaee
- 421 ttggacagcc tggggggtgt cetggaagct tcaggctact ccacagaggt ggtggccctg
- 481 agcaggetge aggggtetet geaggacatg etgtggeage tggaceteag ecetgggtge
- 541 tgaggcettg aaggteacte tteetgeaag gaetaegtta agggaaggaa etetggette
- 601 caggtatete caggattgaa gageattgea tggacaeeee ttatecagga etetgteaat
- 661 ttecetgact cetetaagee actetteeaa aggeataaga ceetaageet cettttgett
- 721 gaaaccaaag atatatacac aggateetat teteaccagg aagggggtee acceagcaaa
- 781 gagtgggetg catctgggat teceaceaag gtetteagee ateaacaaga gttgtettgt
- 841 cccctcttga cccatctccc cctcactgaa tgcctcaatg tgaccagggg tgatttcaga
- 901 gagggcagag gggtaggcag agcetttgga tgaccagaac aaggtteeet etgagaatte
- 961 caaggagttc catgaagacc acatccacac acgcaggaac tcccagcaac acaagctgga
- 1021 agcacatgtt tatttattet geattttatt etggatggat ttgaagcaaa geaceagett
- 1081 ctccaggete tttggggtca gecagggeca ggggtetece tggagtgeag tttecaatee
- 1141 catagatggg tctggctgag ctgaacccat tttgagtgac tcgagggttg ggttcatctg
- 1201 agcaagaget ggcaaaggtg geteteeagt tagttetete gtaactggtt teatttetae
- 1261 tgtgactgat gttacatcac agtgtttgca atggtgttgc cctgagtgga tctccaagga
- 1321 ccaggttatt ttaaaaagat ttgttttgtc aagtgtcata tgtaggtgtc tgcacccagg
- 1381 ggtggggaat gtttgggcag aagggagaag gatctagaat gtgttttctg aataacattt
- 1441 gtgtggtggg ttctttggaa ggagtgagat cattttctta tcttctgcaa ttgcttagga
- 1501 tgtttttcat gaaaatagct ctttcagggg ggttgtgagg cctggccagg cacccctgg
- 1561 agagaagttt etggeeetgg etgaeeceaa agageetgga gaagetgatg etttgettea
- 1621 aatccatcca gaataaaacg caaagggctg aaagccattt gttggggcag tggtaagctc
- 1681 tggetttete egaetgetag ggagtggtet tteetateat ggagtgaegg teeeacaetg
- 1741 gtgactgcga tettcagage aggggteett ggtgtgacce tetgaatggt eeagggttga
- 1801 teacactetg ggtttattae atggeagtgt teetatttgg ggettgeatg ecaaattgta
- 1861 gttettgtet gattggetea eccaageaag gecaaaaatta ecaaaaatet tggggggttt
- 1921 ttactccagt ggtgaagaaa actcctttag caggtggtcc tgagacctga caagcactgc
- 1981 taggegagtg ceaggactee eeaggeeagg ceaceaggat ggeeetteee aetggaggte
- 2041 acattcagga agatgaaaga ggaggtttgg ggtctgccac catcctgctg ctgtgttttt

- 2101 getateaeae agtgggtggt ggatetgtee aaggaaaett gaateaaage agttaaettt
- 2161 aagactgage acctgettea tgeteageee tgactggtge tataggetgg agaageteae
- 2221 ccaataaaca ttaagattga ggcctgccct cagggatctt gcattcccag tggtcaaacc
- 2281 geacteacce atgtgecaag gtggggtatt taccacagca getgaacage caaatgeatg
- 2341 gtgcagttga cagcaggtgg gaaatggtat gagctgaggg gggccgtgcc caggggccca
- 2401 cagggaaccc tgcttgcact ttgtaacatg tttacttttc agggcatctt agcttctatt
- 2461 atagccacat ccctttgaaa caagataact gagaatttaa aaataagaaa atacataaga
- 2521 ccataacagc caacaggtgg caggaccagg actatagccc aggtcctctg atacccagag
- 2581 cattacgtga gccaggtaat gagggactgg aaccagggag accgagcgct ttctggaaaa
- 2641 gaggagtttc gaggtagagt ttgaaggagg tgagggatgt gaattgcctg cagagagaag
- 2701 cctgttttgt tggaaggttt ggtgtgtgga gatgcagagg taaaagtgtg agcagtgagt
- 2761 tacagcgaga ggcagagaaa gaagagacag gagggcaagg gccatgctga agggaccttg
- 2821 aagggtaaag aagtttgata ttaaaggagt taagagtagc aagttctaga gaagaggctg
- 2881 gtgctgtggc cagggtgaga gctgctctgg aaaatgtgac ccagatcctc acaaccacct
- 2941 aatcaggetg aggtgtetta agcettttge teacaaaace tggcacaatg getaatteee
- 3061 aaaagtttgg eegggtgegg tggeteaege etgtaateee ageaetttgg gaggeeaagg
- 3121 tggggggate acaaggteae tagatggega geateetgge caacatggtg aaacceegte
- 3181 totactaaaa acacaaaagt tagctgagcg tggtggcggg cgcctgtagt cccagccact
- 3241 egggaggetg agacaggaga ategettaaa eetgggagge ggagagtaca gtgagecaag
- 3301 ategegecae tgeacteegg cetgatgaea gagegagatt cegtettaaa aaaaaaaaaa
- 3361 aaaaagtttg tttttaaaaa aatctaaata aaataacttt geceetg

Homo sapiens cholecystokinin (CCK), mRNA. ACCESSION XM\_003225

"GSAAGLLRLETPSQLRPNPKAMNSGVCLCVLMAVLAAGALTQPVPPADPAGSGLQRAE EAPRRQLRVSQRTDGESRAHLGALLARYIQQARKAPSGRMSIVKNLQNLDPSHRISDRD YMGWMDFGRRSAEEYEYPS"

- l ggeteagetg eegggetget eeggttggaa aegeeaagee agetgegtee taateeaaaa
- 61 gecatgaaca geggegtgtg cetgtgegtg etgatggegg taetggegge tggegeeetg
- 121 acgeageegg tgeeteeege agateeegeg ggeteeggge tgeageggge agaggaggeg
- 181 ccccgtagge agetgagggt ategeagaga aeggatggeg agteeegage geaeetggge
- 241 gecetgetgg caagatacat ccagcaggee eggaaagete ettetggaeg aatgteeate
- 301 gttaagaacc tgcagaacct ggaccccagc cacaggataa gtgaccggga ctacatgggc
- 361 tggatggatt ttggccgtcg cagtgccgag gagtatgagt acccctccta gaggacccag
- 421 ccgccatcag cccaacggga agcaacctcc caacccagag gaggcagaat aagaaaacaa
- 481 teacacteat aacteattgt etgtggagtt tgacattgta tgtatetatt tattaagtte
- 541 tcaatgtgaa aaatgtgtct gtaagattgt ccagtgcaac cacacacctc accagaattg
- 601 tgcaaatgga agacaaaatg ttttetteat etgtgactee tggtetgaaa atgttgttat
- 661 gctattaaag tgatttcatt ctgcc

CCK Promoter (Rat) ACCESSION S70690

l aattegegeg etaageegea ttatteaegt tteeagaeat gteacaaata eagetaatte

- 61 ctacaacetg agetgtgtca tggggggggg gggaatcace cacagcattt aatetgetge
- 121 tgttttaaac acgttgcttc taagtaaaga gaccgctaga gccacaacca ggaacctaac
- 181 tgctgctggc atcacttgcc ttttcatagt ctccctcagc cggaaccccc ccacgctggg
- 241 tgeettetet atttagaaag agtttetaag cettteteet teaccetaga etggeaaggt
- 301 tgagggtagg ctgagggttg caagactgtg agaaaaggga gcccctctct tcttcttgct
- 361 eggtgagtat eteageeaag atecteacea eceagtggaa teeegtaact etagaggaaa
- 421 ggaagaacte tagaggaegg gaagateatt geaageteee etagatgtge gageeeagee
- 481 egetecaete ageeageeag agettgaggg tgettgagae aetetetgge geeaettege
- 541 gaccaaaatc atcggtagat gtaggctggt gagaagtcat cttgggaaga aatggaaacc
- 601 ttttccccaa aggetttccg cacaaaagge aagagetgca cccaggatet taaaattctg
- 661 taagacgaga atccacgagg ccaactgtga ttgagttctg aaaaattgag agccctactc
- 721 ccctetetea ettgtgggag eccaeteagg tetgaagtge teecagagaa eatgecagaa
- 781 ttacatttgc tgacacctag tetgtgaggg teeceeggtt teetggaagg atttgateee
- 841 tcaaagctca ctaaacagtg gtcagcttct ccattccaga caaactcctg cttctctccg
- 901 ggagtagggg tggcaccete cetgaagagg acteageaga ggcaccgaac agggtgggga
- 961 ggaaagetgt ttagataaag aggaggacte atacaaagta eecegeetgg gaggggetat
- 1021 ceteatteae tgggeegttt ceetteteee ggggggeeae ttegateggt ggteteteea
- 1081 gtggctgcct ctgagcacgt gtcctgccgg actgcgtcag cactgggtaa acagatgact
- 1141 ggctgcgtac cgggcggggc tatttaagag gagtcgccct gccgcctgcc ctcaacttag
- 1201 ctggacagca gccgttggaa accgccaagc cagctgactc cgcatccgaa ggtaagtggc
- 1261 tggcagatcc aagaatcatg agtgtgaaga actggcctgt agctttgcat ctattgccgt
- 1321 ttagtettte cattttetgt geetteeete aettgacage tg

Human messenger RNA for growth hormone (presomatotropin). ACCESSION V00519

"MATGSRTSLLLAFGLLCLPWLQEGSAFPTIPLSRPFDNAMLRAHRLHQLAFDTYQEFEE AYIPKEQKYSFLQNPQTSLCFSESIPTPSNREETQQKSNLELLRISLLLIQSWLEPVQFLRSV FANSLVYGASDSNVYDLLKDLEEGIQTLMGRLEDGSPRTGQIFKQTYSKFDTNSHNDDALLKNYGLLYCFRKDMDKVETFLRIVQCRSVEGSCGF"

- l cgaaccacte agggteetgt ggacagetea cetagetgea atggetacag geteeeggae
- 61 gtecetgete etggettitg geetgetetg eetgeeetgg etteaagagg geagtgeett
- 121 cccaaccatt cccttatcca ggccttttga caacgctatg ctccgcgccc atcgtctgca
- 181 ccagctggcc tttgacacct accaggagtt tgaagaagcc tatatcccaa aggaacagaa
- 241 gtattcattc etgeagaace eccagacete cetetgttte teagagteta tteegacace
- 301 ctccaacagg gaggaaacac aacagaaatc caacctagag ctgctccgca tctccctgct
- 361 geteatecag tegtggetgg agecegtgea gtteeteagg agtgtetteg ceaacageet
- 421 ggtgtacggc gcctctgaca gcaacgtcta tgacctccta aaggacctag aggaaggcat
- 481 ccaaacgctg atggggaggc tggaagatgg cagccccgg actgggcaga tettcaagca
- 541 gacctacage aagttegaca caaacteaca caacgatgac geactactea agaactaegg
- 601 getgetetae tgetteagga aggacatgga caaggtegag acatteetge geategtgea
- 661 gtgccgctct gtggagggca gctgtggctt ctagctgccc gggtggcatc cctgtgaccc
- 721 etecceagtg ceteteetgg eeetggaagt tgecaeteea gtgeceaeea geettgteet
- 781 aataaaatta agttgcatc

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(-1894)

TACACTGTAGTGTCTAGATACACAGAAGAGGCATCGGTCTCTTACAGAGAGCCACC ATGTGGTTGCTGGGGATTGAACTCATACCTCTGGCAGAGCAGTCGGTGCTCTTAACG CTGAGCCATCTCTCCAGCGCCCCCAAAGCCCAGCTTTTAAAAATATTTTAAAATTTCT TTCTACAGATTGTTTTATGTATATGAGTGTTTTTGTGTGTATGCGTTGATGTGTACT GTGTGCATGGCACATGCCAGTGGGCCACAGACAGAGGGACATGAGATTCCCCTGAA CCTGGGTCCTGCACAAAAGCAACAAGCACTCTTAATCGTTGAGCCACCTCTCCAACC CCTTGATATTTCTTTTCGTTGGTGCATTAAAATTGATAAACAGAGGGTTTTCTTTATT TAAAGATTTATTTATGTGAGTACACTGTTGCTCTCTCAGACACATAGAAGAG GGCATTGCTGGATTCTGCTACAGATGGTTGTGAGCCACCATGTGGTTGCTGGGAGTT AAACTCAGGACCTCTGGAAGAGCAGTCAGTGCTCTTAACCACTGAGCCATCTCTCCA GTCCCTCCTCAACCTTCTGAGAACAGGCAAACTCCACCATGATTGGCTTATAAATC GTTATATGGACCTACTAAGGATGTAACAACTGGGAGCATGCTTACCTAGCATGTCCG AAACCGGAGTTCAGTCCCTAGCACTGCACAATCTCAGTCCTTATGAAGTAGAGGGA AGATCAGAGGTTCAAGGACAACATCAATTTGAGACCAGCCTGGGCTACTTACCAAA ATATCTTATGGCTGGAGAGTTGGTTCAGTGTTTAAGAGCACTTATTGTGGGGTTGGG GATTTATCTCAGTGGTAGAGCGTTTGCCTAGGAAGCTCAAGGCCCTGGGTTCGGTCC ATATATGATATATATATATATATCTTTGTGGAGGAAGCTATACCTTTCTTCTT GAGCCTCCAACACATAAATGTGCCCTGTCATCCCATTCATATTGCCCCAAGTGGGAA ACCATGTGACTATAAACTCTAAGTTCCTAGTCACTAGGAACTCTCAAGACACCTACC TCAGGCAGCATCACTTCCGGAGTGCCACCATTATCAGTTAACATCCACATCTGGGAT TCAGATCCCAGATCCCTTCTGTTCCCTCAGAAGTCACCTACAGCTTTGTGGGGGTGC CCCTTCCCTCAGAGAGTGCCACCGAGTTGACCCTCACCAAGGCAACCCTTTGTACC CACAGAATCCAACAGGAAGTAGGGGGAAGAACAGCCGGCCCTGTGCCAGAAAAAA AGAGGGGAGGAGAAGGGGGTGCTCAGCCTACCACCGGGCAGGTCCCAGATAACA CTGCAGATACCCAAATGTTAATCACCCATTAGCACAGGCCCAGAGCAAAGGGGAAA GTGATTAGGTGTATAATGGGGTTCACTGGGCAGGAGCAGTGGGCTTGAGCTTCAAA GATAAGAGGTTTTCAGGTTAATCAGCACCCTGTGGTGTGTGGATATAAGGAAGCTAA CACAGGGTCTTGAAGCAAGATC 3'(-1)